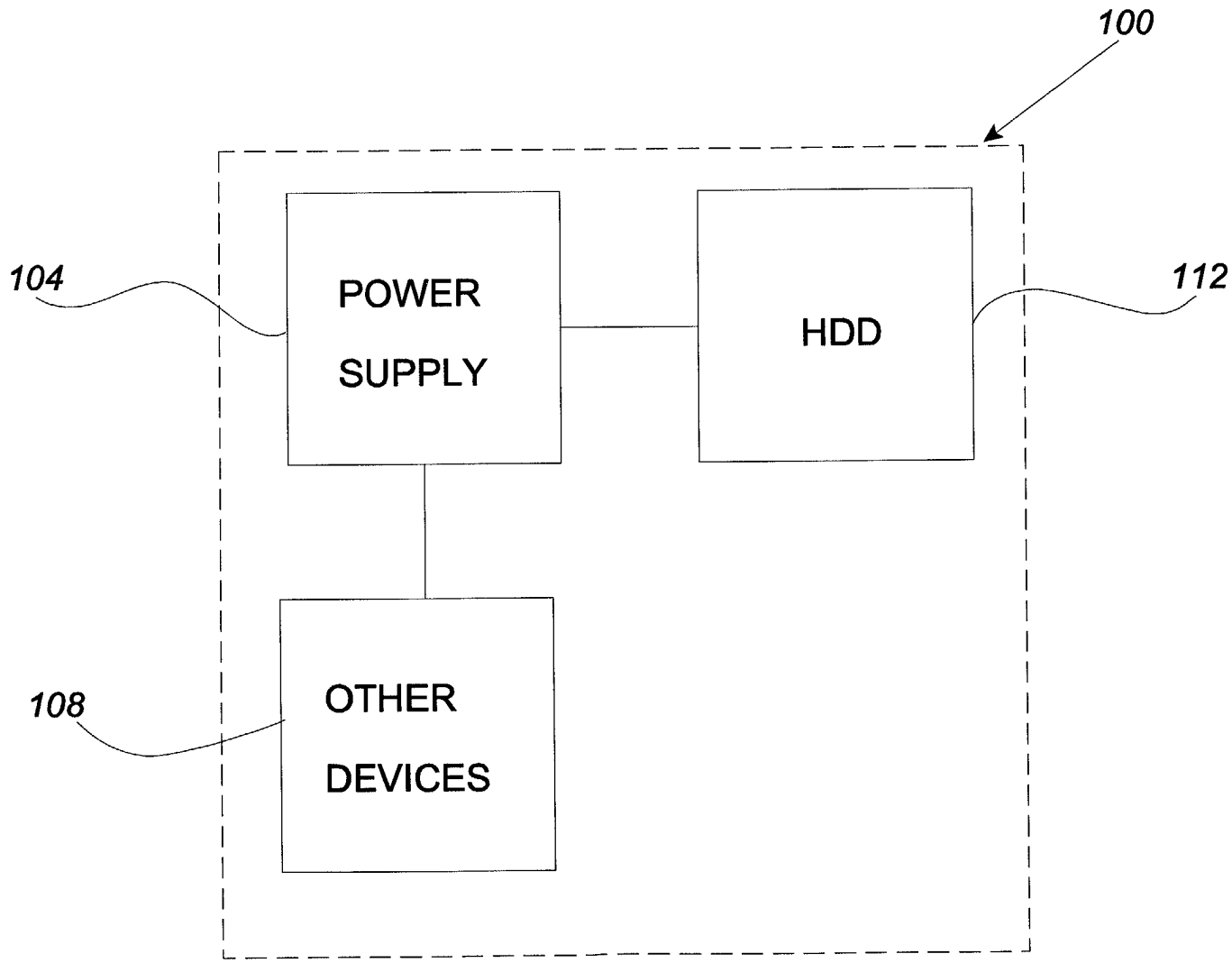

FIG. 1

TOSHIBA EX-5660

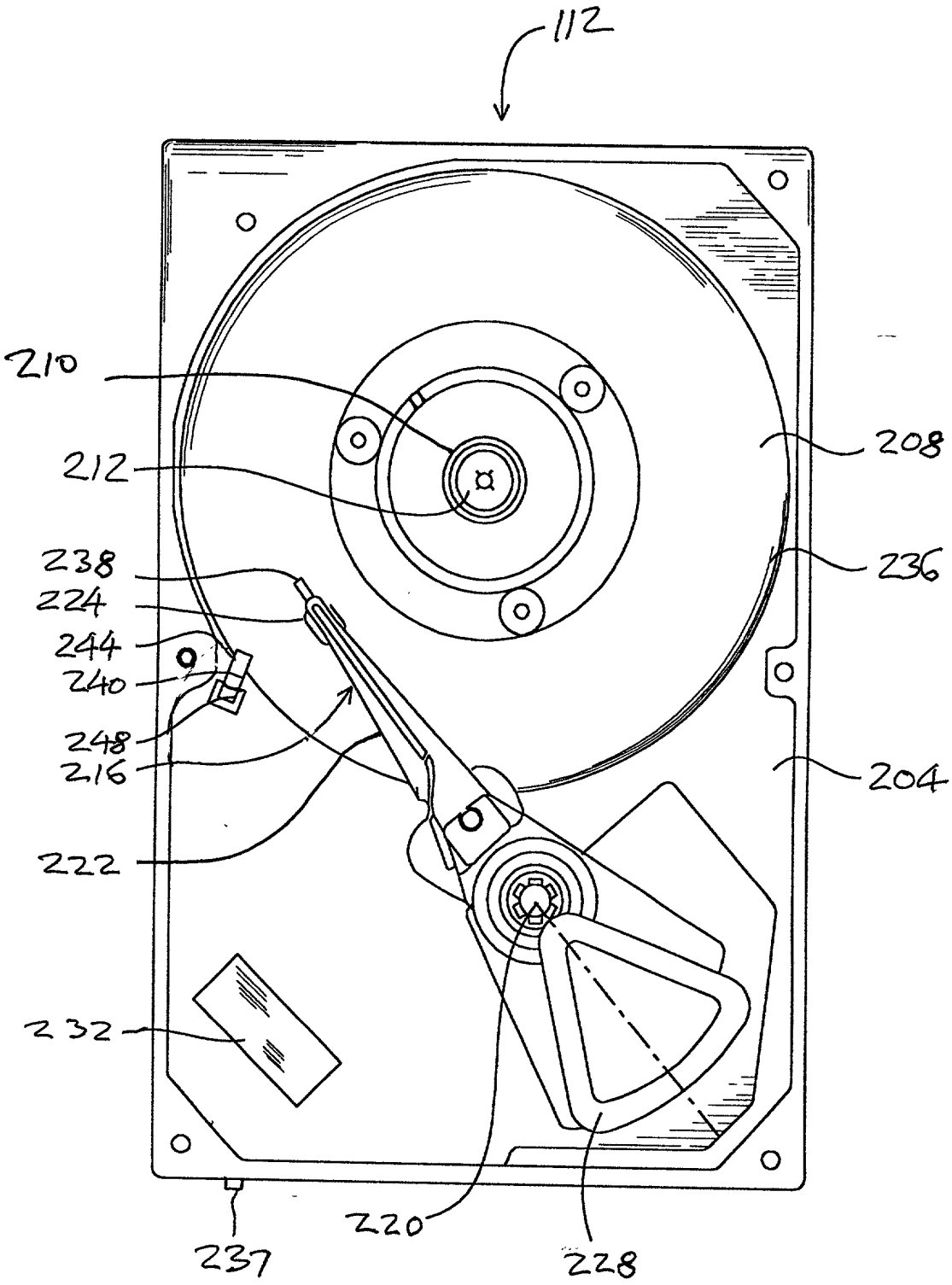

FIG. 2

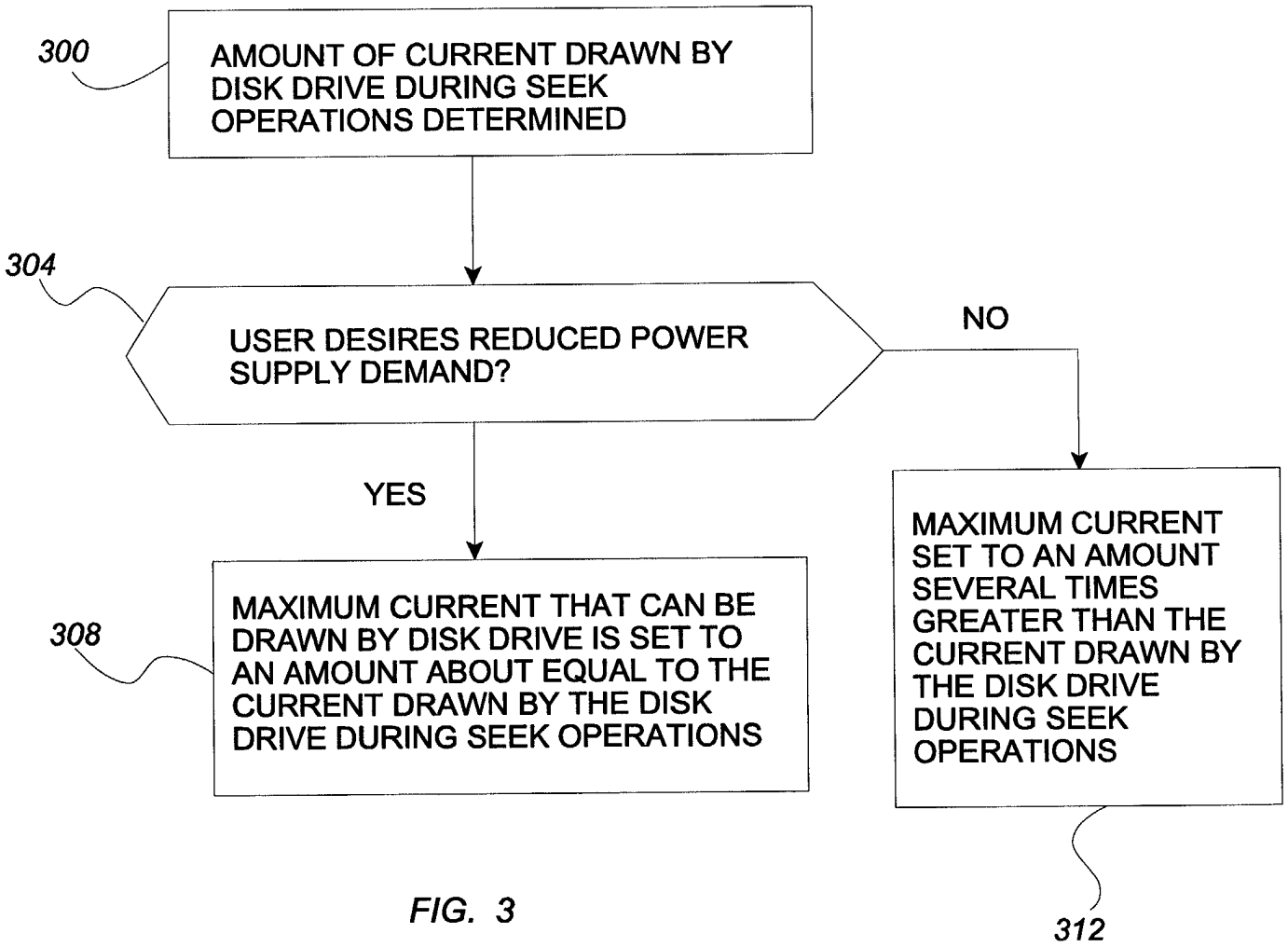
300
AMOUNT OF CURRENT DRAWN BY DISK DRIVE DURING SEEK OPERATIONS DETERMINED
304
USER DESIRES REDUCED POWER SUPPLY DEMAND?
NO
YES
308
MAXIMUM CURRENT THAT CAN BE DRAWN BY DISK DRIVE IS SET TO AN AMOUNT ABOUT EQUAL TO THE CURRENT DRAWN BY THE DISK DRIVE DURING SEEK OPERATIONS
MAXIMUM CURRENT SET TO AN AMOUNT SEVERAL TIMES GREATER THAN THE CURRENT DRAWN BY THE DISK DRIVE DURING SEEK OPERATIONS
312

FIG. 3

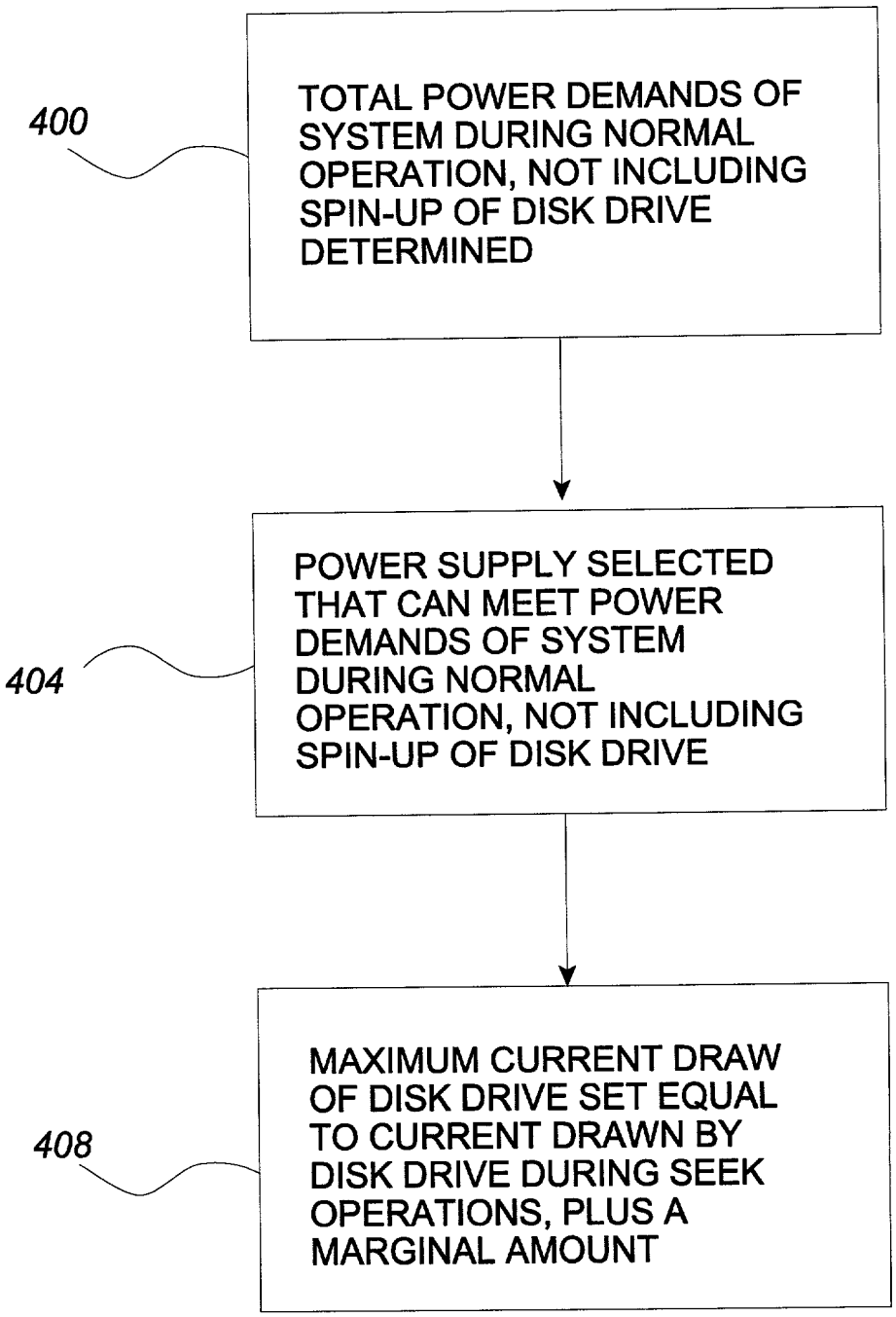
400
TOTAL POWER DEMANDS OF SYSTEM DURING NORMAL OPERATION, NOT INCLUDING SPIN-UP OF DISK DRIVE DETERMINED
404
POWER SUPPLY SELECTED THAT CAN MEET POWER DEMANDS OF SYSTEM DURING NORMAL OPERATION, NOT INCLUDING SPIN-UP OF DISK DRIVE
408
MAXIMUM CURRENT DRAW OF DISK DRIVE SET EQUAL TO CURRENT DRAWN BY DISK DRIVE DURING SEEK OPERATIONS, PLUS A MARGINAL AMOUNT

FIG. 4

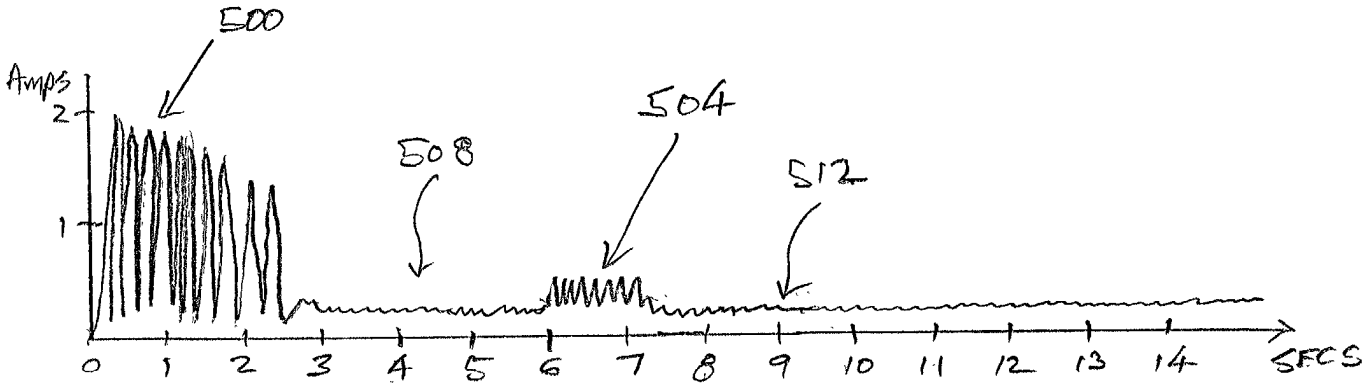
500
Amps
2
1
508
504
512
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
SECS

Fig. 5

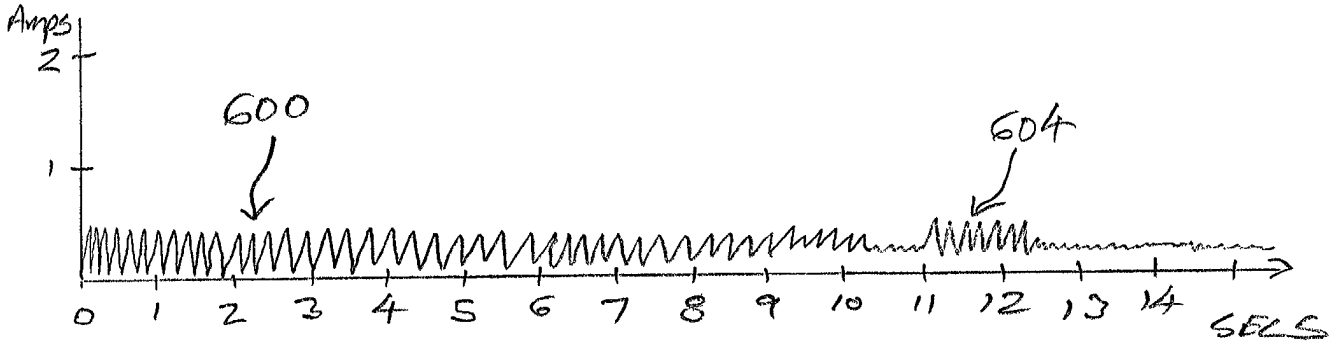
Amps
2
1
600
604
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
SECS

Fig. 6